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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

MARCH 1936

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Timothy-seed production. Morgan W. Evans, Bureau of Plant Industry. 8 p., illus. (Leaf. 115L.) Price, 5¢.

Many factors determine the use made of the timothy crop. When rainfall delays harvesting a crop intended for hay, it is then harvested for seed. When the price of hay becomes low, some of the timothy acreage is harvested for seed.

DEPARTMENT BULLETINS

The Department Bulletins are technical or scientific in nature and apply to a special crop, industry, or locality. This series ends with no. 1500, and is succeeded by the Technical Bulletin series. The editions are limited.

The Chinese jujube. C. C. Thomas, Bureau of Plant Industry. 15 p., illus. (D. B. 1215DB., rev.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scentific workers and subject-matter specialists.

Effects of gin-saw speed and seed-roll density on quality of cotton lint and operation of gin stands. Charles A. Bennett, Bureau of Agricultural Engineering, and Francis L. Gerdes, Bureau of Agricultural Economics. 40 p., illus. (T. B. 503T.) Price, 10¢.

These tests were conducted because ginning time per bale per fixed number of gin saws has an important effect on the quality of the resultant ginned lint, and because misunderstanding prevails as to what factors influence the rate of ginning.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Dust explosions during fire fighting. David J. Price, Bureau of Chemistry and Soils. 10 p., illus. (Cir. 385C.) Price, 5¢.

This circular has been prepared to assist firemen in preventing dust explosions during fire fighting and thereby enable them to fight fires with greater safety and protection.

The Glovel tomato. William S. Porte, Bureau of Plant Industry; H. S. Wolfe and W. M. Fifield, Florida Agricultural Experiment Station. 6 p., illus. (Cir. 388C.) Price, 5¢.

The primary purpose in developing the Glovel tomato was to produce a scarlet-red (pink) fruited variety having the disease-resistant characteristics of Marvel combined with the fruit qualities of Globe for markets and consumers that prefer a pink-fruited tomato variety instead of a red one like Marglobe.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Traps for the Japanese beetle and how to use them. F. W. Metzger, Bureau of Entomology and Plant Quarantine. 12 p., illus. (M. P. 201MP., rev.) Price, 5¢.

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Forest trees and forest regions of the United States. Wilbur R. Mattoon, Forest Service. 55 p., illus. (M. P. 217MP.) Price, 15¢.

Presents in simple form the names of all the tree species of continental United States with their geographic ranges and a few distinguishing characteristics of each. Gives brief descriptions of the various natural forest regions, together with the names of the principal trees which make up each region in the United States, Alaska, Puerto Rico, and Hawaii.

Development and significance of the great soil groups of the United States. Charles E. Kellogg, Bureau of Chemistry and Soils. 40 p., illus. (M. P. 229MP.) Price, 25¢.

Attention is directed toward a discussion of those principles of broad implication. Should the reader require more specificity, the detailed reports of surveys and researches must be consulted.

List of technical workers in the Department of Agriculture and outline of Department functions, 1935. Compiled in the Office of Personnel and Business Administration. 132 p. (M. P. 233MP.) Price, 15¢.

Workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations, 1935–36. Mary A. Agnew, Office of Experiment Stations. 133 p. (M. P. 234MP.) Price, 15¢.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Grade, staple length, and tenderability of cotton in the United States, 1928–29 to 1933–34. Bureau of Agricultural Economics, in cooperation with State agricultural agencies. 122 p., illus. (S. B. 52S.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Rules and regulations of the Secretary of Agriculture under the Tobacco Inspection Act. Bureau of Agricultural Economics. (S. R. A.–B. A. E. 149.) 9 p.[1]

Bureau of Animal Industry, Service and Regulatory Announcements. January 1936. Pp. 1–13. (S. R. A.–B. A. I. 345.) February 1936. Pp. 15–24. (S. R. A.–B. A. I. 346.) Price, 5¢ each.[2]

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 237–277. (N. J., F. D. 24501–24550.)[1]

Standards under the Tea Act. Service and Regulatory Announcements, Tea No. 10. Food and Drug Administration. 1 p. (S. R. A., T. no. 10.)[1]

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

Michigan, Montmorency County. (No. 39, series 1930.) 48 p., illus. Price, 35¢.

New York, Chemung County. (No. 3, series 1932.) 42 p., illus. Price, 30¢.

Oklahoma, Le Flore County. (No. 15, series 1931.) 38 p., illus. Price, 30¢.

Texas, Scurry County. (No. 13, series 1931.) 45 p., illus. Price, 30¢.

OTHER PUBLICATIONS

Report of the Chief of the Weather Bureau, 1934–35. W. R. Gregg. 161 p. Price, $1.50 (buckram). For sale only.

Report of the Hawaii Agricultural Experiment Station, 1935. 28 p., illus. Price, 5¢.

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[1] These may be obtained from the issuing bureau.

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers **IN NUMERICAL ORDER,** bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents. Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 20, no. 3, March 1, 1936. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.[2]

Crops and markets. Vol. 13, no. 2, February 1936. Price, 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[2]

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, $3 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, $2.40 a year.[2]

Experiment station record. Vol. 74, no. 3, March 1936. Price, $1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; $1.50 per volume, foreign. Single number for sale only. Price, 15¢.[1]

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 7, no. 3, March 1936. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.[2]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, $3.25 a year, domestic; $4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Reprints, 5¢, domestic; 8¢, foreign.[2] Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

——— Vol. 51, no. 11. December 1, 1935. Illus.

Contents:

Evidence of virus mutation in the common mosaic of tobacco (G–989). H. H. McKinney.

Root development of pitch pine, with some comparative observations on shortleaf pine (F–74). William Everett McQuilkin.

The identification of certain viruses affecting leguminous plants (Idaho–13). W. H. Pierce.

The vitamin A, B, C, D, and G content of the outer green leaves and the inner bleached leaves of Iceberg lettuce (T–8). Hazel E. Munsell and Mary H. Kennedy.

——— Vol. 51, no. 12, December 15, 1935. Illus.

Contents:

Interspecific hybridization in *Gossypium* and the meiotic behavior of F_1 plants (G–988). J. M. Webber.

Occurrence of selenium in natural phosphates, superphosphates, and phosphoric acid (E–65). Lewis F. Rader, Jr., and W. L. Hill.

Root systems of certain trees and shrubs grown on prairie soils (N. Dak.–10). A. F. Yeager.

[1] These may be obtained from the issuing bureau.

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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(3-36)

Journal of agricultural research. Vol. 51, no. 12, December 15, 1935. Illus.

Contents—Continued.

Germination studies on aged and injured seeds (N. Dak.–11). O. A. Stevens.

The nutritive value of skim-milk powders, with special reference to the sensitivity of milk proteins to heat (Ill.–62). B. W. Fairbanks and H. H. Mitchell.

Evaluation of length measurement in an experiment with apple trees (Mich.–27). F. C. Bradford and Lloyd E. Joley.

The determination and importance of the condition of the firm albumen in studies of egg-white quality (N. Y. (Cornell)–32). A. Van Wagenen and H. S. Wilgus, Jr.

The determination of spray coverage on apples (Wash.–23). Kermit Groves and James Marshall.

——— Vol. 52, no. 1, illus. January 1, 1936.

Contents:

Reaction of oat varieties to physiologic races of loose and covered smuts of red oats (G–992). George M. Reed and T. R. Stanton.

Chemical composition of juice from Louisiana sugarcane injured by the sugarcane borer and the red rot disease (G–991). Nelson McKaig, Jr., and C. A. Fort.

Inheritance of some major color types in beets (G–996). Wesley Keller.

The relation of pauses to rate of egg production (Calif.–73). I. Michael Lerner and Lewis W. Taylor.

The effect of homogenization on some of the characteristics of milk fat (Mich.–28). I. A. Gould and G. M. Trout.

Periderm and cortex color inheritance in the potato (Minn.–94). F. A. Krantz and Harold Mattson.

The effect of calcium carbonate and sodium bicarbonate on the toxicity of gossypol (Okla.–24). Willis D. Gallup and Ruth Reder.

Apparatus and procedure for separating cotton root rot sclerotia from soil samples (Tex.–13). C. H. Rogers.

——— Vol. 52, no. 2. Illus. January 15, 1936.

Contents:

Modification of a Mendelian ratio in maize by pollen treatments (G–995). J. H. Kempton.

Widespread occurrence and origin of fatuoids in Fulghum oats (G–994). F. A. Coffman and J. W. Taylor.

The relationship of the phosphate concentration of solution cultures to the type and size of root systems and the time of maturity of certain plants (Ala.–15). Anna L. Sommer.

The effects of low-phosphorus rations on growing pigs (Kans.–78). C. E. Aubel, J. S. Hughes, and H. F. Lienhardt.

Monthly weather review. Vol. 63, no. 12, December 1935. Illus. Price, 15¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[2] Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 16, no. 12, February 1936; vol. 17, no. 1, March 1936. Price, 10¢ a copy; $1 a year, $1.50 a year, foreign.[2]

Soil conservation. Vol. 1, no. 8, March 1936. Price, 10¢ a copy; $1 a year, domestic.[2]

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 9–13, March 3–31, 1936. Price, 50¢ a year, domestic; $1 a year, foreign.[2]

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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